

Wood Burning Stoves & Inserts



Wood Burning Stoves & Inserts

Firestyles For Life

Your home is a reflection of your personal style. Why shouldn't your hearth appliance be the same? Just as furniture and objects of art are both functional and please the eye, so can your stove or fireplace.

Avalon has beautifully designed works of art to let your personal expression shine through. No matter what kind of decorating taste you have, Avalon hearth products will enhance it.

Choose the fire that best expresses your home's personality and begin heating with style.



Wood Heats Like No Other Fuel

Wood is nature's renewable resource. A natural fuel that burns like no other. A wood fire is cozy - the radiant and convective heat from your Avalon wood stove or insert warms body and soul.

Environmentally Responsible

An open fireplace or antique stove may conjure fond memories, but they actually create pollution and yield very low energy efficiency. In contrast, our Avalon wood burning appliances are EPA certified and produce virtually no visible smoke or creosote. In fact the Avalon wood line as a whole has been independently rated as **the cleanest burning stove lines in the world!**

Renewable Energy

When fossil fuels like heating oil are burned, carbon dioxide - the gas responsible for the greenhouse effect - is released into the atmosphere. But when wood is burned, it's part of a natural cycle: A tree absorbs carbon dioxide as it grows. When a tree falls into decay or is burned as firewood, the carbon dioxide is released and gets absorbed again by other young trees. By practicing sustainable wood energy use and keeping our forests healthy, this cycle can be maintained virtually forever!

Energy Independence

Heating with wood offers independence from the rising costs of the utility companies. Even when your power goes out and all other conventional heating systems are useless, a wood burning stove will keep you warm and self-sufficient.



RADIANT & CONVECTIVE HEAT

In addition to radiant heat, which only warms objects within the room, all Avalon wood-burning appliances feature a five-sided convection chamber to circulate room air around the stove and push warm air back into the room. This dynamic process circulates warm air to other areas of your home without using a blower.



Our unique knife-edge seal between the door gasket and stove body guarantees an air-tight seal for life.



A single, easy-to-use draft control simplifies stove operation and heat output.



Avalon's cast door is designed to last a lifetime. The finely crafted wood handle has a naturally comfortable touch.

OLYMPIC™ - Large Wood



The Olympic stove is shown with optional polished aluminum door and pedestal base.

The beauty and grace of the Olympic stove is matched only by its remarkable efficiency. At just 2.6 grams of emissions per hour, the Olympic is one of the cleanest-burning large wood stoves ever approved by the EPA. Its large firebox can handle logs up to 24" long, providing up to 12 hours of continuous burn time. It also features a single control to adjust heat output and a by-pass damper to prevent smoke puff-backs while starting and reloading. In addition to several leg styles, an optional pedestal base with or without an extra-large ashpan is available. And for maximum convenience, the Olympic features a spacious cook top surface.



Burning Stove



The Olympic freestanding stove is shown with black door and solid brass sculptured legs.

Approved For
 Outside Combustion Air
 Mobile-Home Installation
 Alcove Installation
 Hearth-Stove Installation

| <u>Emissions</u> | <u>Heating Capacity*</u> | <u>Heat Output**</u> | <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> | <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
|--------------------|--------------------------|--------------------------|--------------------------|---------------------|-------------------------|--------------------------|----------------------------|-------------------|
| 2.6 Grams Per Hour | 1,500 to 2,500 Sq. Ft. | 74,300 BTU/Hr. Cord Wood | Up to 12 Hours | 3.1 Cubic Foot | 24" Up to | 510 lbs. (With Pedestal) | 5/16" to 3/16" Steel Plate | 75.2% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.

** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances. Tests were conducted at the category two (med. low) burn rate for wood-burning models.

RAINIER™ - Medium Wood



The Rainier stove is shown with the standard black door and optional pedestal base.

With its unique heat transfer system and elegant design, the Rainier towers above other stoves in its class. Featuring both radiant surfaces and a convective heat exchanger, the Rainier can heat up to an 1,800 sq. ft. home. The Rainier's large firebox can handle logs up to 20" long, great for overnight burns, yet still one of the most efficient medium-size stoves ever tested. The Rainier is also remarkably easy to operate and maintain. A single air control adjusts heat output, and the optional pedestal base features a huge ashpan to minimize ash removal between burns.



Burning Stove



The Rainier freestanding stove is shown with polished aluminum door and cast black legs.

The Rainier features models with either 90° or 45° flues.

Approved For
 Outside Combustion Air
 Mobile-Home Installation
 Alcove Installation
 Hearth-Stove Installation

| <u>Emissions</u> | <u>Heating Capacity*</u> | <u>Heat Output**</u> | <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> | <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
|--------------------|--------------------------|----------------------------|--------------------------|---------------------|-------------------------|--------------------------|---------------------------|-------------------|
| 2.0 Grams Per Hour | 800 to 1,800 Sq. Ft. | 71,800 Btu's/Hr. Cord Wood | Up to 9 Hours | 1.8 Cubic Foot | Up to 20" | 355 lbs. (With Pedestal) | 1/4" to 3/16" Steel Plate | 77.6% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.

** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances. Tests were conducted at the category two (med. low) burn rate for wood-burning models.

PENDLETON™ - Small Wood



The Pendleton stove is shown with optional polished aluminum door and optional pedestal base.

Small in size yet big on heat, the Pendleton is ideal for a single room or smaller home. The Pendleton combines radiant and convective technologies into one compact design offering maximum heat output. Like the larger Avalon stoves, the Pendleton features a single air control to adjust heat output and simplifies stove operation. Several leg styles or an optional pedestal base are available. The Pendleton features a 90° or a 45° flue for a wide variety of installation options, including mobile homes, and as a hearth stove in front of a fireplace.

Burning Stove



The Pendleton freestanding stove is shown with black door and black sculptured legs.

The Pendleton features models with either 90° or 45° flues.

Approved For
 Outside Combustion Air
 Mobile-Home Installation
 Alcove Installation
 Hearth-Stove Installation

| <u>Emissions</u> | <u>Heating Capacity*</u> | <u>Heat Output**</u> | <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> | <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
|--------------------|--------------------------|--------------------------|--------------------------|---------------------|-------------------------|--------------------------|---------------------------|-------------------|
| 3.0 Grams Per Hour | 600 to 1,200 Sq. Ft. | 64,200 BTU/Hr. Cord Wood | Up to 8 Hours | 1.3 Cubic Foot | Up to 17" | 320 lbs. (With Pedestal) | 1/4" to 3/16" Steel Plate | 78.7% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.

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SPOKANE™ - Value Priced Small & Med



The Spokane stove is shown with standard black door and optional pedestal base.

The same great style, performance and quality you've come to expect in Avalon wood stoves is now available in a small or mid-sized entry models. For those customers just starting out, the Spokane™ is the perfect stove for the starter home or young family. Without compromising on construction or function, Avalon engineers have managed to produce a wood stove that's affordable and just plain heats. No frills added. Enhance the heat transfer into your home with the optional 160 CFM fan. Both models feature large cooktop surfaces and are available with your choice of sculptured legs or pedestal. Backed by a 5 year warranty.

ium Wood Burning Stoves



Spokane 1250

| | |
|-------------------------|---------|
| Height (Legs) | 26 1/2" |
| Height (Pedestal) | 29 3/4" |
| Width | 23 5/8" |
| Depth | 14 5/8" |
| Flue Center (from back) | 4 1/8" |



Spokane 1750

| | |
|-------------------------|---------|
| Height (Legs) | 26 1/2" |
| Height (Pedestal) | 30 5/8" |
| Width | 24" |
| Depth | 23 1/2" |
| Flue Center (from back) | 5 3/4" |

| <u>Emissions</u> | <u>Heating Capacity</u> | <u>Heat Output</u> |
|--------------------------|-------------------------|--------------------------|
| 4.4 Grams Per Hour | 600 to 1,200 Sq. Ft. | 66,800 BTU/Hr. Cord Wood |
| <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> |
| Up to 8 Hours | 1.6 Cubic Foot | 18" |
| <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
| 243 lbs. (With Legs) | 3/16" Steel Plate | Up to 79.5% |

| <u>Emissions</u> | <u>Heating Capacity</u> | <u>Heat Output</u> |
|--------------------------|-------------------------|--------------------------|
| 1.9 Grams Per Hour | 1,200 to 2,000 Sq. Ft. | 72,400 BTU/Hr. Cord Wood |
| <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> |
| Up to 10 Hours | 2.2 Cubic Foot | 18" |
| <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
| 430 lbs. (With Legs) | 3/16" Steel Plate | Up to 77.7% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
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PERFECT-FIT PLUS™ - Large W



The Perfect-Fit is shown with Cypress face and one-piece 8" surround panels.

Efficient and Clean Burning

Designed to deliver the maximum heat from the wood that is burned, the Perfect-Fit Plus maintains high operating temperatures allowing for a clean burn as well as remarkable heat transfer. A combination of the five-sided convection chamber and standard dual 90 CFM convection fans distribute the heat evenly throughout your home. The unit is designed to provide up to 10 hours of heat from a single load of wood and heat up to 2,000 square feet. This ultra-efficient, green fireplace insert is clean burning, non-catalytic and boasts an 76.9% efficiency as well as an EPA certified 4.4 grams per hour.

Reduce Heating Bills

Cut back on heating costs by burning wood, one of the oldest and (still) most efficient sources of heating fuel. The clean burning non-catalytic hearth technology found in the Perfect-Fit Plus is one of the most cost effective and dependable ways to provide warmth to your home and save money on fuel.



Wood Burning Insert

Easy To Live With

A single air control allows you to set the fire to your desired setting. Operation is easy and requires no guess work to burn efficiently. The Perfect-Fit Plus is also one of the only wood burning inserts to feature a bypass damper that lets you open the flue before starting or reloading your wood making fire start-up simple and preventing smoke spillage into your home.

Concealed convection air outlet. No visible grills or vents.

Contemporary face design features curved surfaces and beautiful looks.

Clean, one piece surround panel to finish off the fireplace opening.

Large one piece door for unobstructed view of the fire and secure easy to open and close door handle. Glass viewing area is 22 1-1/2" w x 9-3/4" h



Standard Bypass Damper of easy fire starting and smokeless refueling of wood.

Standard Accent lighting built into the design of the face.

A single air control allows for easy operation. Controls both primary and secondary combustion air.

Hidden rheostat control for fan and accent lights built into the face.

Cypress Face

Transform your old masonry fireplace with the clean, contemporary, sleek design of the Perfect-Fit Plus wood insert with the Cypress™ face. With no visible grills or venting the insert adds a polished touch to a modern decor while serving as a super-efficient heat source. The insert also features the unobstructed air wash system maintaining clarity and cleanliness of the glass year round.

| Emissions | Heating Capacity* | Heat Output** | Maximum Burn Time | Firebox Size | Maximum Log Size | Weight | Construction | Efficiency |
|--------------------|-----------------------|---------------------------|-------------------|----------------|------------------|----------|---------------------------|------------|
| 4.4 Grams Per Hour | 1,200 to 2000 Sq. Ft. | 73,300 BTU/ Hr. Cord Wood | Up to 10 Hours | 2.2 Cubic Foot | Up to 24" | 497 lbs. | 5/16" to 1/4" Steel Plate | 76.9% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
 ** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances. Tests were conducted at the category two (med. low) burn rate for wood-burning models.

OLYMPIC™ - Large Wood



The Olympic is shown in a recessed installation with the optional polished aluminum door and an 8" surround panel.

No matter where you install it, the Olympic insert takes center stage as a leading attraction. The Olympic is Avalon's largest woodburning insert. Designed to fit most masonry fireplaces, the Olympic heats up to a 2,500 square foot home. Its large firebox offers longer burns, giving you more time to relax and enjoy the flames. A by-pass damper ensures an easy starting fire and smokeless refueling. The Olympic can be installed recessed into the fireplace opening or extended onto the hearth for additional radiant heating and a handy cook-top surface. This extra large insert produces only 2.6 grams of emissions per hour, making the Olympic the cleanest burning large insert ever tested and certified by the EPA.

Burning Insert



The rugged Olympic insert is shown with cast black door and extended onto the hearth, providing a handy cook-top surface.

Approved For
Masonry Fireplaces

| Emissions | Heating Capacity* | Heat Output** | Maximum Burn Time | Firebox Size | Maximum Log Size | Weight | Construction | Efficiency |
|--------------------|------------------------|--------------------------|-------------------|----------------|------------------|----------|----------------------------|------------|
| 2.6 Grams Per Hour | 1,500 to 2,500 Sq. Ft. | 74,300 BTU/Hr. Cord Wood | Up to 12 Hours | 3.1 Cubic Foot | Up to 24" | 470 lbs. | 5/16" to 3/16" Steel Plate | 75.2% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
 ** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances. Tests were conducted at the category two (med. low) burn rate for wood-burning models.

RAINIER™ - Medium Wood



The custom painted Rainier is shown in an extended installation.

The powerful Rainier delivers maximum heat output in an easy to operate, non-catalytic design. The Rainier uses radiant heat to warm objects nearby and a five-sided convection chamber to distribute heat evenly throughout your home. It features a large firebox for longer burn times with less reloading and the option of either a 90° or 45° flue for maximum installation flexibility. Approved for masonry and metal (zero clearance) fireplace openings, the Rainier can be installed recessed into the fireplace or extended onto the hearth for added radiant warmth. It can also be converted to a freestanding wood stove should you move or your heating needs change.

Burning Insert



The Rainier with the 90° flue is shown with cast black door and installed recessed into the fireplace.

Approved For
Zero Clearance (Metal) Fireplaces
Masonry Fireplaces

| <u>Emissions</u> | <u>Heating Capacity*</u> | <u>Heat Output**</u> | <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> | <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
|--------------------|--------------------------|--------------------------|--------------------------|---------------------|-------------------------|---------------|---------------------------|-------------------|
| 2.0 Grams Per Hour | 800 to 1,800 Sq. Ft. | 71,800 BTU/Hr. Cord Wood | Up to 9 Hours | 1.8 Cubic Foot | Up to 20" | 300 lbs. | 1/4" to 3/16" Steel Plate | 77.6% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
 ** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances.
 Tests were conducted at the category two (med. low) burn rate for wood-burning models.

PENDLETON™ - Small Wood



The Pendleton is shown with the optional polished aluminum door and an optional 8" panel.

The Pendleton may be compact, but its heating capacity exceeds most competitors' small inserts. Perfect for a single room or small home, the Pendleton combines radiant and convective technologies to provide up to 64,200 BTUs. Yet at just 3 grams of emissions per hour, the Pendleton is one of the cleanest burning small stoves ever tested. Available with either a 90° or 45° flue, the Pendleton can fit most masonry and metal (zero clearance) fireplaces (the 45° flue unit also features a convenient cook-top surface). And if you move or your heating needs change, the Pendleton can be converted into a freestanding wood stove.



Burning Insert



The Pendleton with the 90° flue shown with 8" Facing Panels.

Approved For
Zero Clearance (Metal) Fireplaces
Masonry Fireplaces

| <u>Emissions</u> | <u>Heating Capacity*</u> | <u>Heat Output**</u> | <u>Maximum Burn Time</u> | <u>Firebox Size</u> | <u>Maximum Log Size</u> | <u>Weight</u> | <u>Construction</u> | <u>Efficiency</u> |
|--------------------|--------------------------|--------------------------|--------------------------|---------------------|-------------------------|---------------|---------------------------|-------------------|
| 3.0 Grams Per Hour | 600 to 1,200 Sq. Ft. | 64,200 BTU/Hr. Cord Wood | Up to 8 Hours | 1.3 Cubic Foot | Up to 17" | 280 lbs. | 1/4" to 3/16" Steel Plate | 78.7% |

* Heating capacity may vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
 ** EFFICIENCY testing was conducted in accordance with the CSA B415-1.0-2000 Method for Testing the Performance of Solid-Fuel-Burning Heating Appliances. Tests were conducted at the category two (med. low) burn rate for wood-burning models.

PENDLETON™ - Small Wood

Avalon woodstoves are proven performers, having achieved one of the highest overall ratings for efficiency of non-catalytic woodstoves from the Oregon Department of Environmental Quality.

Our E.P.A. Phase II certified combustion system burns so thoroughly that there is very little visible smoke and very little ash to remove.

The non-catalytic design perfectly balances the three "T's" of combustion:

Turbulence, Temperature & Time.

TURBULENCE

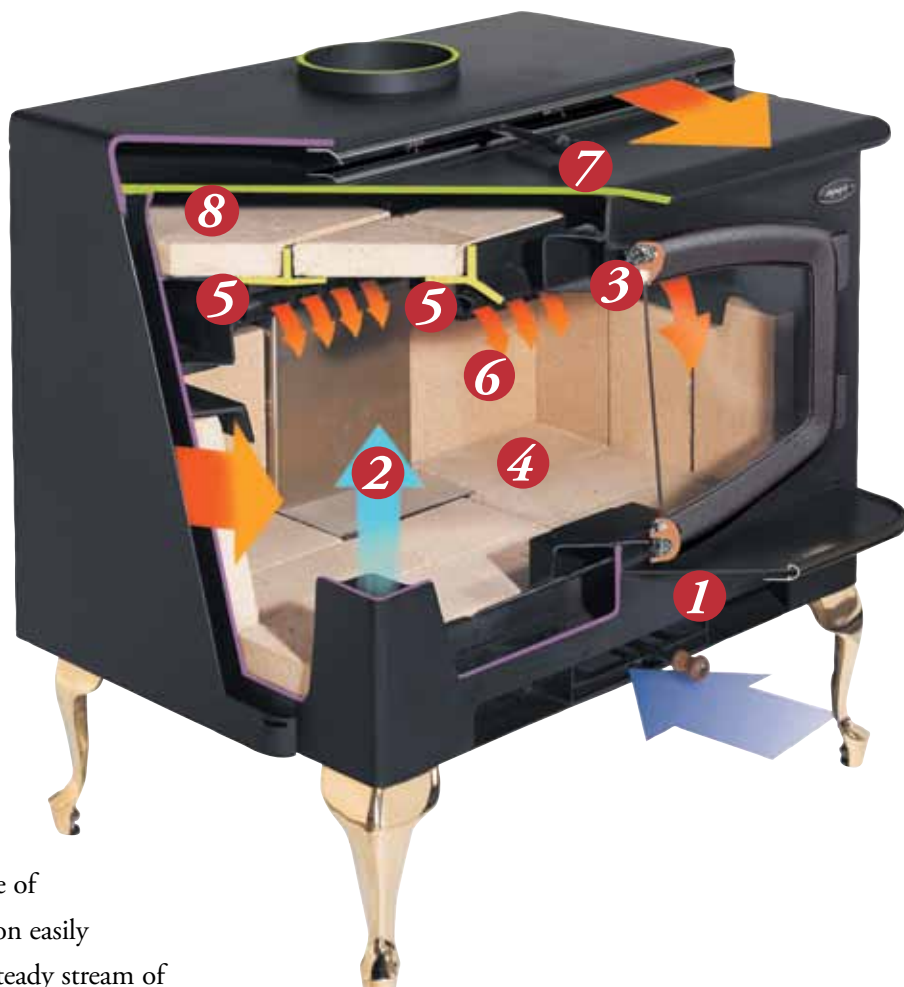
A single draft control **1** is operated to meter combustion air to a manifold **2**, which distributes air to the stay-clean air wash **3** and the primary burn zone **4**. The multiple secondary burn tubes **5** are self-regulating and will automatically adjust the air flow as needed. This balance of combustion air in the correct proportion and location easily starts and sustains the primary fire, and provides a steady stream of fresh air across the viewing glass to help keep it clear. Fresh air is injected above the primary fire which creates the necessary turbulence to mix fresh oxygen with the unburned gases produced by the fire.

TEMPERATURE

Elevated temperatures within the firebox are necessary to ignite the oxygen-rich gas mixture to reduce emissions and increase efficiency. Several components work in conjunction to achieve this. The fire-box floor and walls **6** are lined with dense, clay firebrick. The removable brick baffle **7** features the same material, which absorbs heat, then radiates it back into the unburned gases. The seamless unibody construction **8**, is of the finest 3/16", 1/4", and 5/16" plate steel for years of dependable service. Even the flue collar, which is subject to extremely high temperatures, is 5/16" thick. This heavy duty steel also contributes to higher internal firebox temperatures.

TIME

The angle, shape, and size of the masonry baffle assembly **7** has been engineered to maximize residence time of the unburned gases yet allows the stove to draft adequately. This delay of the escaping, unburned gas and the turbulent introduction of oxygen combine with the elevated temperatures to create a balanced combustion environment. The result is a beautiful fire to watch that is also clean burning and efficient to operate.





Burning Stove



Brass Cast



Black Cast



Sculptured Steel

Legs & Pedestals

Legs are available in beautifully solid brass or black cast aluminum, and in simple, black painted sculpted steel leg.

Pedestals are also available for all free-standing wood stoves. Pedestals feature a smooth curved surface with wood base detail. Pedestals are designed to accept the outside combustion air kit.



Insert Panels

Fireplace insert panel are available to fit and finish off the face of your fireplace opening. Panels come standard with black trim. You also have the choice to cut the panels down for an inside fit to your fireplace opening.



Rear Freestanding Blower



Ashpan Pedestals

The extra-large ashpan offers increased capacity for reduced maintenance between burns and a safety cover for hassle-free ash removal. Available for the Rainier and Olympic woodstoves.

Blowers

Quiet, yet powerful 130 CFM front and rear blowers are available to improve the transfer of heat from the stove or inserts natural convection chamber and help circulate the heat to adjoining rooms.



Custom Paint

Avalon stoves and inserts can be painted in a variety of colors to fit any décor (ask your dealer if they provide custom color choices).



Polished Aluminum Door

SELECT YOUR FREESTANDING STOVE Sizing, heating and performance specifications.

The information on this page is for reference ONLY! Installation information is available through your Avalon dealer or through the Avalon website at: www.avalonfirestyle.com

| | SPOKANE 1250 | SPOKANE 1750 | PENDLETON | | RAINIER | | OLYMPIC |
|---------------------------|----------------------|------------------------|----------------------|-------------|----------------------|-------------|--------------------|
| Emissions: | 4.4 gr/hr | 1.9 gr/hr | 3.0 gr/hr | | 2.0 gr/hr | | 2.6 gr/hr |
| Heating Capacity: | 600 to 1,200 sq. ft. | 1,200 to 2,000 sq. ft. | 600 to 1,200 sq. ft. | | 800 to 1,800 sq. ft. | | 1,500 to 2,500 sq. |
| Heat Output* (cord wood): | 66,800 btu's/hr | 72,400 btu's/hr | 64,200 btu's/hr | | 71,800 btu's/hr | | 74,300 btu's/hr |
| Efficiency: | 79.6% | 78.8% | 68% | | 71.7% | | 70% |
| Maximum Burn Times: | Up to 8 hours | Up to 10 hours | Up to 8 hours | | Up to 9 hours | | Up to 12 hours |
| Maximum Log Size: | Up to 18" | Up to 18" | Up to 17" | | Up to 20" | | Up to 24" |
| Fuel Capacity: | ? | ? | 16 lbs. | | 22 lbs. | | 36 lbs. |
| | 90" Flue | 90" Flue | 90" Flue | 45" Flue | 90" Flue | 45" Flue | 90" Flue |
| Width: | 23 5/8" | 24" | 23 3/4" | 23 3/4" | 25 3/4" | 25 3/4" | 29 3/8" |
| Height (All Legs): | 26 1/2" | 26 1/2" | 28 5/8" | 27 7/8" | 29 3/4" | 29" | 30" |
| Height (Pedestal): | 29 3/4" | 30 5/8" | 32 1/8" | 31 3/8" | 33 1/4" | 32 3/8" | 33 3/8" |
| Depth: | 14 5/8" | 23 1/2" | 16 3/8" | 16 1/8" | 19 3/8" | 19 3/8" | 20 1/2" |
| Flue Diameter: | 6" | 6" | 6" | 6" | 6" | 6" | 6" |
| Weight: | 243 lbs. | 430 lbs. | 285 lbs. | 260 lbs. | 345 lbs. | 305 lbs. | 465 lbs. |
| Steel Thickness: Top: | ? | ? | 1/4" | 1/4" | 1/4" | 1/4" | 5/16" |
| Steel Thickness: Unibody: | ? | ? | 3/16" | 3/16" | 3/16" | 3/16" | 3/16" |
| Firebox Capacity: | 1.6 cu. ft. | 2.2 cu. ft. | 1.3 cu. ft. | 1.3 cu. ft. | 1.8 cu. ft. | 1.8 cu. ft. | 3.1 cu. ft. |

* Includes flue collar

CLEARANCES TO COMBUSTIBLES

Diagrams at bottom of page. Complete installation information is available at your local Avalon dealer or at www.avalonfirestyle.com

| | Residential Single Wall Pipe | Reduced Clearance Double Wall Pipe | Residential Single Wall Pipe | Reduced Clearance Double Wall Pipe | Residential Single Wall Pipe | Reduced Clearance Double Wall Pipe | Residential Single Wall Pipe | Reduced Clearance Double Wall Pipe | Residential Single Wall Pipe | Reduced Clearance Double Wall Pipe | | | | | |
|--------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|---------|---------|---------|---------|-----|
| A = Stove to Side Wall | 18" | 18" | 15" | 13" | 10" | 11" | 10" | 11" | 14" | 14" | 14" | 16" | 16" | 16" | 16" |
| B = Stove to Back Wall | 18" | 10 1/2" | 15" | 4 1/4" | 16 1/2" | 8 1/2" | 19 1/2" | 13" | 14 1/2" | 9 1/2" | 17 1/2" | 14" | 15" | 10" | |
| C = Stove to Corner Wall | 10" | 10" | 15" | 6 1/2" | 9 1/2" | 7 1/2" | 9 1/2" | 7 1/2" | 11" | 7 1/2" | 11" | 7 1/2" | 9 1/2" | 7 1/2" | |
| D = Pipe to Side Wall | 27" | 26 1/2" | 24" | 21 1/2" | 19" | 19 1/2" | 19" | 19 1/2" | 24" | 23 1/2" | 24" | 25 1/2" | 27 3/4" | 27 1/4" | |
| E = Pipe to Back Wall | 19 1/4" | 11 1/4" | 17 3/4" | 6 1/2" | 17 1/4" | 8 3/4" | 17 1/2" | 9" | 15 3/4" | 10 1/4" | 15 1/2" | 10" | 17 3/4" | 12 1/4" | |
| F = Pipe to Corner Wall | 17 3/4" | 17 1/4" | 24" | 15" | 17 1/2" | 15" | 16" | 11" | 20" | 16" | 16 1/2" | 12" | 21" | 18 1/2" | |

HEARTH PROTECTION

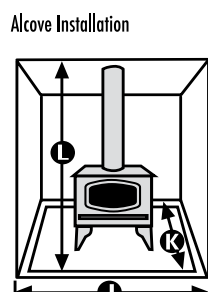
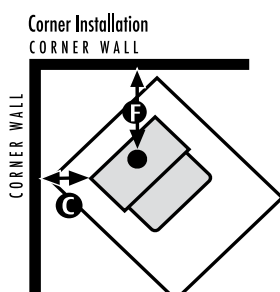
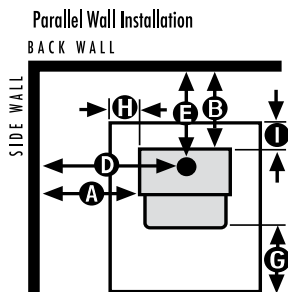
Must be non-combustible and at least .018" thick (26 gauge)

| | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| G = Stove Front | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" |
| H = Stove Sides | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" |
| I = Stove Back | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" | 6" |

ALCOVE

Combustible (See Owner's Manual for Non-Combustible Alcove Requirements)

| | | | | | | | |
|--------------------|---------|-----|---------|---------|---------|---------|---------|
| J = Minimum Width | 59 5/8" | 54" | 45 3/4" | 45 3/4" | 53 3/4" | 57 3/4" | 61 3/8" |
| K = Maximum Depth | 48" | 48" | 48" | 48" | 48" | 48" | 48" |
| L = Maximum Height | 84" | 84" | 84" | 84" | 84" | 84" | 84" |



Approved Double Wall Connectors/Chimney

Reduced clearance installations require one of the chimney and connectors listed below.

- AMERI-TEC model DCC with model HS chimney
- DURAVENT model DVL with DURATEC or DURA-PLUS chimney
- I.C.C. Excel (2100-2 Can.) (103-HT USA) chimney with HP connector
- METALFAB model DW connector with TG chimney
- SECURITY model DP connector with SECURITY model ASHT or S2100 chimney
- Standard Masonry Chimney with any one of the above listed connectors

In addition, models Spokane 1250, Spokane 1750, Pendleton and Rainier are also approved for any of the chimney and connectors listed below.

- SELKIRK METALBESTOS model DS connector with model SSII chimney
- GSW Super Chimney Twenty-One connected directly to appliance
- OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney

NOTE: Clearances for double wall pipe will vary depending on type and brand of connector used, please maintain all stove clearances.

The clearances on this page are for reference only, refer to the Owner's Manual for exact specifications prior to installation.
HEATING CAPACITY: May vary depending on the degree of home insulation, floor plan, and ambient temperature zone of the area in which you live.
BTU OUTPUT & BURN TIME: May vary depending on woodstove size, moisture content of wood, wood type, chimney draft and oxygen supply.

SELECT YOUR FIREPLACE INSERT Sizing, heating and performance specifications.

The information on this page is for reference ONLY! Installation information is available through your Avalon dealer or through the Avalon website at: www.avalonfirestyle.com

| | PENDLETON | | RAINIER | | PERFECT-FIT PLUS | OLYMPIC |
|-----------------------|---|----------------------------|---|----------------------------|--|--|
| | For smaller homes and for zonal heating needs. 45° Flue or 90° Flue Models | | For mid-sized homes and for zonal heating needs. 45° Flue or 90° Flue Models | | Flush wood insert for mid-sized homes and for zonal heating. | For larger homes and those who need a primary heat source. |
| Heating Capacity*: | 600 to 1,200 SQ. FT. | | 800 to 1,800 SQ. FT. | | 1,200 to 2,000 SQ. FT. | 1,500 to 2,500 SQ. FT. |
| Heat Output: | 64,200 BTU's/HR | | 71,800 BTU's/HR | | 73,300 BTU's/HR | 74,300 BTU's/HR |
| Overall Efficiency*: | 78.7% | | 77.6% | | 76.9% | 76.9% |
| Max. Burn Time: | Up to 8 Hours | | Up to 9 Hours | | Up to 10 Hours | Up to 12 Hours |
| Max. Log Size: | Up to 17" | | Up to 20" | | Up to 24" | Up to 24" |
| Weight: | 285 Lbs. | | 345 Lbs. | | 425 lbs. | 465 Lbs. |
| Firebox Size: | 1.3 Cu. In. | | 1.8 Cu. In. | | 2.2 Cu. In. | 3.1 Cu. In. |
| Flue Diameter: | 6" | | 6" | | 6" | 6" |
| | 45° Flue | 90° Flue | 45° Flue | 90° Flue | 90° Flue | 90° Flue |
| Height: | 20" | 20 3/4" | 21 1/8" | 21 7/8" | 21 1/2" Front 19 3/4" Back | 22 1/8" |
| Width in Front: | 23 3/4" | 23 3/4" | 25 3/4" | 25 3/4" | 28 7/8" | 29 3/8" |
| Width in Back: | 23 3/4" | 23 3/4" | 25 3/4" | 25 3/4" | 18 7/8" | 29 3/8" |
| Overall Depth: | 16 1/8" | 16 3/8" | 19 3/8" | 19 3/8" | 19" | 20 1/2" |
| Depth on Hearth: | 4 3/4" | 4 7/8" | 10" | 5 1/8" | 1 1/4" | 6 3/8" FL 8 7/8" EXT |
| Depth Into Fireplace: | 11 3/8" | 11 5/8" Masonry 12 5/8" ZC | 9 1/2" Masonry 10 1/2" ZC | 14 1/2" Masonry 15 1/2" ZC | 17 3/4" | 14 1/8" FL 11 5/8" EXT |

* Wood appliance performance can be affected by negative pressure in the home and by prevailing atmospheric conditions. Contact local building or fire officials about restrictions and installation requirements in your area.

SURROUND FACING Select the panels to enclose your fireplace opening. Measurements indicate maximum coverage area.

OUTSIDE FIT PANELS - Designed to fit over the existing fireplace opening. Comes standard with black trim.

| | PENDLETON | RAINIER | ONE PIECE PANELS | OLYMPIC |
|-------------------|-------------------|-----------------------|-------------------|-----------------------|
| 8" x 8" Panels: | 39 3/4" W x 28" H | 41 3/4" W x 28 7/8" H | 42" W x 30 1/2" H | 45 1/4" W x 28 7/8" H |
| 10" x 10" Panels: | 43 3/4" W x 30" H | 45 3/4" W x 30 7/8" H | 44" W x 34" H | 49 1/4" W x 30 7/8" H |
| 12" x 12" Panels: | 47 3/4" W x 32" H | 49 3/4" W x 32 7/8" H | | 53 1/4" W x 32 7/8" H |

INSIDE FIT PANELS - All Avalon panels sets can be cut down for a custom fit to the inside edges of your existing fireplace opening. It is the least obtrusive panel system and showcases your Avalon insert.

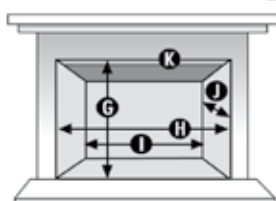
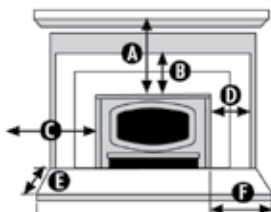
CLEARANCES TO COMBUSTIBLES complete installation information is available at your local Avalon dealer or on our website at www.avalonstyle.com.

| | Masonry Fireplace | Metal (ZC) Fireplace | Masonry Fireplace | Metal (ZC) Fireplace | Masonry Fireplace | Metal (ZC) Fireplace | Masonry and Metal (ZC) Fireplaces | Masonry Fireplace |
|-----------------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-----------------------------------|------------------------|
| A - To Mantle | 22" | 24" | 22" | 24" | 31 1/2" | 24" | 41 1/2" (Measured From Floor) | Flush 32" Extended 33" |
| A - To Mantle w/Shield* | 16 1/2" | N/A | 16 1/2" | N/A | 16 1/2" | N/A | N/A | 19" 20" |
| B - To Top Facing | 20" | 12" | 20" | 12" | 29 1/2" | 12" | 39" (Measured From Floor) | 30" 31" |
| B - To Top Facing w/Shield* | 14 1/2" | N/A | 14 1/2" | N/A | 14 1/2" | N/A | N/A | 17" 18" |
| C - To Sidewall | 10" | 30" | 10" | 30" | 14" | 30" | 9" | 15" 15" |
| D - To Side Facing | 9" | 12" | 9" | 12" | 13" | 12" | 9" | 13 1/2" 13 1/2" |
| E - Hearth Depth | 20 3/4" | 20 3/4" | 20 3/4" | 20 3/4" | 26" | 26" | 16" US 18" CANADA | 22 3/8" 24 7/8" |
| F - Hearth Sides | 8" | 8" | 8" | 8" | 8" | 8" | 6" US 8" CANADA | 8" 8" |

* Mantle and Top Facing clearances can be reduced with the optional Mantle Shield

SIZING YOUR EXISTING FIREPLACE Minimum fireplace measurements required for installation

| Minimum Requirements: | 45° Flue | 90° Flue | 45° Flue | 90° Flue | 90° Flue | Flush | Extended |
|-----------------------|----------|----------------------------|---------------------------|----------------------------|------------------------------------|---------|----------|
| G = Height | 20 1/2" | 21 1/4" | 21 1/2" | 22 1/4" | 21 1/2" Front 19 3/4" Rear | 22 1/4" | 22 1/4" |
| H = Front Width | 24" | 24" | 26" | 26" | 30 7/8" includes 2" for power cord | 29 1/2" | 29 1/2" |
| I = Back Width | 24" | 24" | 26" | 26" | 18 7/8" Masonry 20 7/8" ZC | 29 1/2" | 29 1/2" |
| J = Depth | 11 3/8" | 11 5/8" Masonry 12 5/8" ZC | 9 1/2" Masonry 10 1/2" ZC | 14 1/2" Masonry 15 1/2" ZC | 19" Masonry 20" ZC | 14 1/8" | 11 5/8" |
| K = Max. Lintel | 6 1/2" | 4 1/2" | 3 1/4" | 7" | | 5" | 2 1/2" |



Write In Your Fireplace Dimensions:

- G = Height _____
- H = Front Width _____
- I = Back Width _____
- J = Depth _____
- K = Lintel Depth _____

APPROVED ZERO CLEARANCE (METAL) FIREPLACES

Both the Pendleton and Rainier Inserts are approved for installation in the following zero clearance fireplaces. See the Owner's Manual for details.

MARCO
MAJESTIC
MARTIN
HEAT-N-GLO
TEMPCO

HEATILATOR
SUPERIOR
MONESSON
LENNOX
PREWAY

Avalon stoves are proudly made in the U.S.A.



*Wood Burning
Catalog*



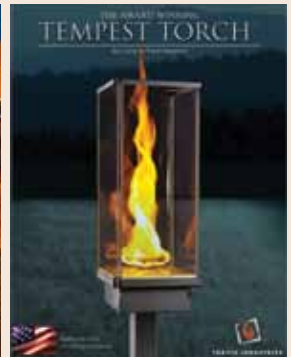
*Gas Fireplace & Insert
Catalog*



*Pellet Stove & Insert
Catalog*



*Electric Fireplace
Catalog*



*Tempest Gas Torch
Catalog*

Avalon Wood, Gas, Pellet & Electric Products

With the Avalon product line all the elements come together: architectural styling, innovative technology and dedicated craftsmanship, offering you a dream-fulfilling heating solution for every part of your house. Avalon manufactures steel and cast iron wood burning products, an extensive gas fireplace line, a pellet stove and insert line, electric fireplaces and also the beautiful Tempest Torch gas outdoor lighting. We hope our products will bring enjoyment, warmth and many pleasant hours spent in front of an Avalon of your choice.

Avalon Dealers are chosen to present our products because of their commitment to you, the customer. They are trained to provide the best possible sales experience, assist you in selecting the right hearth appliance and provide proper installation to ensure flawless operation. They are truly your local hearth product specialists.



www.avalonfirestyles.com

See the wide range of Avalon products at:

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